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PTO/SB/21 (08-03)

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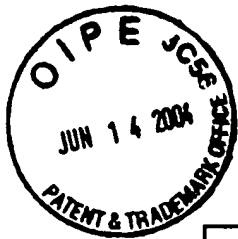
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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)		Application Number	10/750,294
		Filing Date	December 30, 2003
		First Named Inventor	John L. Vian
		Art Unit	N/A
		Examiner Name	Not Yet Assigned
Total Number of Pages in This Submission	7	Attorney Docket Number	BA1-03-0687 (03-0687)

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input checked="" type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Attachment to POA (1 page) Statement Under 37 CFR 3.73(b) (1 page) Copy of Assignment (2 pages)
<div>Remarks</div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	ROBERT R. RICHARDSON, P.S. Robert R. Richardson
Signature	
Date	June 9, 2004

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.	
Dated: 6/10/04	Signature:  (Robert R. Richardson)



PTO/SB/82 (09-03)

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<b>REVOCATION OF POWER OF ATTORNEY WITH NEW POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS</b>	Application Number	10/750,294
	Filing Date	December 30, 2003
	First Named Inventor	John L. Vian
	Art Unit	N/A
	Examiner Name	Not Yet Assigned
	Attorney Docket Number	BA1-03-0687 (03-0687)

I hereby revoke all previous powers of attorney given in the above-identified application.

☒ A Power of Attorney is submitted herewith.

OR

☐ I hereby appoint the practitioners associated with the Customer Number: ☐ Please change the correspondence address for the above-identified application to:☐ The address associated with  
Customer Number: 

OR

☐ Firm or  
Individual Name Address City Country State Zip Telephone Fax 

I am the:

☐ Applicant/Inventor.☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)**SIGNATURE of Applicant or Assignee of Record**

Name John C. Hammar

Signature

Date May 11, 2004

Telephone

(206) 544-1059

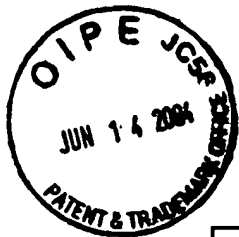
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☐ \*Total of 1 forms are submitted.

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Dated: 6/10/04

Signature: (Robert R. Richardson)



PTO/SB/81 (09-03)

Approved for use through 11/30/2005. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>POWER OF ATTORNEY and CORRESPONDENCE ADDRESS INDICATION FORM</b>	<b>Application Number</b>	10/750,294
	<b>Filing Date</b>	December 30, 2003
	<b>First Named Inventor</b>	John L. Vian
	<b>Title</b>	METHODS AND SYSTEMS FOR ANALYZING ENGINE, etc.
	<b>Art Unit</b>	N/A
	<b>Examiner Name</b>	Not Yet Assigned
	<b>Attorney Docket No.</b>	BA1-03-0687 (03-0687)

I hereby appoint:

☐ Practitioners associated with the Customer Number 

OR

☒ Practitioner(s) named below:

Name	Registration Number	Name	Registration Number
Robert R. Richardson And those listed on the attached sheet	40,143		

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

☐ The address associated with the above-mentioned Customer Number:

OR

☐ The address associated with  
Customer Number: 

OR

<input checked="" type="checkbox"/> Firm or Individual Name	Robert R. Richardson ROBERT R. RICHARDSON, P.S.
--	--

Address P.O. Box 2677

City	Silverdale	State	WA	Zip	98383-2677
Country	US	Telephone	(360) 692-0626	Fax	(360) 692-6584

I am the:

☐ Applicant/Inventor.☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).**SIGNATURE of Applicant or Assignee of Record**

Name	John C. Hammar
Signature	
Date	May 11, 2004
Telephone	(206) 544-1059

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☐ \*Total of 1 forms are submitted.

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Dated: 6/10/04 Signature: Robert R. Richardson (Robert R. Richardson)



Attachment to Power of Attorney

Application No.: 10/750,294  
Filing Date: December 30, 2003  
Inventor: John L. Vian et al.  
Title: Systems and Methods for Analyzing Engine Unbalance Conditions

<u>Name</u>	<u>Reg. No.</u>
William C. Anderson	28,147
Nicholas T. Bauz	41,604
David J. Clement	44,082
Harry B. Field	27,880
Ann K. Galbraith	33,530
Terje Gudmestad	32,232
Robert L. Gullette	26,899
James P. Hamley	28,081
John C. Hammar	29,928
Thomas W. Hennen	27,798
Henry G. Kohlmann	26,672
Bryan C. Ogden	25,362
John R. Rafter	28,533
Charles T. Silberberg	26,584
Robert H. Sproule	30,689
Jeanne Suchodolski	34,936



**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: John L. Vian et al.

Application No./Patent No.: 10/750,294 Filed/Issue Date: December 30, 2003

Entitled: METHODS AND SYSTEMS FOR ANALYZING ENGINE UNBALANCE CONDITIONS

The Boeing Company, a Corporation  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or  
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by percentage) of its ownership interest is \_\_\_\_\_ %  
in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

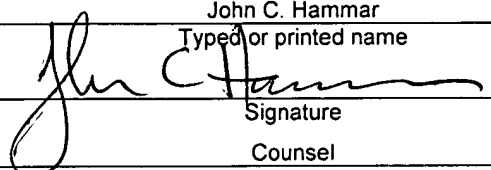
1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.  
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.  
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☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.  
[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

May 11, 2004  
Date  
(206) 544-1059  
Telephone Number

John C. Hammar  
Typed or printed name  
  
Signature  
Counsel  
Title

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Dated: 6/10/04 Signature: Robert R. Richardson (Robert R. Richardson)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: John L. Vian et al.

Attorney Docket No. BING-1-1055

Serial No.: Not yet assigned

Group Art Unit: Not yet assigned

Filing Date: Herewith

Examiner: Not yet assigned

Title: METHODS AND SYSTEMS FOR ANALYZING ENGINE UNBALANCE  
CONDITIONS

ASSIGNMENT

WHEREAS, I, John L. VIAN, residing at 1301 N. 36<sup>th</sup> Street, Renton, WA 98056, a U.S. Citizen, am one of the inventors named in the above-identified United States patent application;

WHEREAS, I, Matt H. TRAVIS, residing at 4708 317<sup>th</sup> Place, S.E., Fall City, WA 98024, a U.S. Citizen, am one of the inventors named in the above-identified United States patent application;

AND, WHEREAS, The Boeing Company, a Delaware corporation having a principal address at 100 North Riverside, Chicago, IL 60606-1596 (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title, and interest in and to the patent application and related inventions;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and intending to be legally bound hereby, I hereby assign and transfer to ASSIGNEE the entire right, title, and interest in and to the patent application and related inventions, including all improvements, variations, derivations and inventive subject matter directly or indirectly related to the patent application and inventions, and all provisional or nonprovisional patent applications or issued patents that have been or may be granted thereon, including without limitation all reissues, divisions, continuations, continuations-in-part, and extensions of the patent applications or patents, or any other form of protection for the inventions related to the patent application, in the United States and foreign countries; all rights of action arising from the inventions and all applications and patents on the inventions; all claims for

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BING-1-1055ASGN

BLACK LOWE & GRAHAM <sup>PLC</sup>

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Seattle, Washington 98104  
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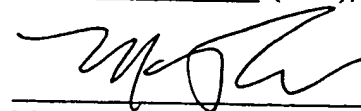
damages by reason of past and future infringement of the inventions and all applications and patents on the inventions, and the right to sue and collect damages for such infringement; to be held and enjoyed by the ASSIGNEE for its own use and benefit and for its successors and assigns as the same would have been held by me had this assignment not been made.

I do hereby further agree and promise to execute all instruments and render all such assistance as ASSIGNEE may request in order to make and prosecute any and all applications on the inventions, to maintain and enforce any and all patents on the inventions, and to confirm in ASSIGNEE legal title to the inventions and all applications and patents on the inventions in the United States and foreign countries, all without charge to ASSIGNEE but at no expense to me. In the event that ASSIGNEE is unable for any reason, after reasonable effort, to secure my signature on any document needed in connection with the actions specified in this paragraph, or to otherwise perfect in ASSIGNEE the entire right, title, and interest in and to the patent application and related inventions, I hereby irrevocably designate and appoint the ASSIGNEE and its duly authorized officers and agents as my agent and attorney-in-fact, to act for and in my behalf to execute, verify and file any such documents and to do all other lawfully permitted acts to further the purposes of this assignment with the same legal force and effect as if executed by me. I hereby waive and quitclaim to the ASSIGNEE any and all claims, of any nature whatsoever, which I now or may hereafter have for infringement of any proprietary rights assigned to the ASSIGNEE.

EXECUTED at SEATTLE (city), WA (state), this 23 day of DECEMBER, [Year]. 2003,

  
John L. Vian

EXECUTED at SEATTLE (city), WA (state), this 23rd day of Dec, 2003, [Year].

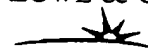
  
Matt H. Travis

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